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PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	1559 (TOUCHST)
	First Named Inventor	ROGERS
	<b>COMPLETE IF KNOWN</b>	
	Application Number	/
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CARBON FOAM ABRASIVES**

(Title of the Invention)

the specification of which

☒ is attached hereto      OR      as United States Application Number or PCT International

☐ was filed on (MM/DD/YYYY)      (if applicable).

Application Number      and was amended on (MM/DD/YYYY)      (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to:

☐ Customer Number  
or Bar Code LabelOR ☒

Correspondence address below

Name **Auzville Jackson, Jr.**Address **8652 Rio Grande Rd.**

Address

City **Richmond**State **VA**ZIP **23229**Country **US**Telephone **804/740-6828**Fax **804/740-1881**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name **DARREN KENNETH**  
(first and middle [if any])Family Name **ROGERS**  
or SurnameInventor's  
Signature

Date

**1/21/02**

Residence: City

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State

**WV**

Country

**US**

Citizenship

**US**

Mailing Address

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Mailing Address

City **WHEELING**State **WV**ZIP **26003**Country **US**

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name **JANUSZ WLADYSLAW**  
(first and middle [if any])Family Name **PLUCINSKI**  
or SurnameInventor's  
Signature

Date

**1/21/02**

Residence: City

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State

**WV**

Country

Citizenship

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Mailing Address

**416 6th STREET**

Mailing Address

City **GLEN DALE**State **WV**ZIP **26038**

Country

☐ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents  
Washington, D.C. 20231

**COMBINED STATEMENT UNDER 37 C.F.R. § 3.73(b), POWER OF ATTORNEY BY  
ASSIGNEE, AND CHANGE OF CORRESPONDENCE ADDRESS**

Touchstone Research Laboratory, Ltd., a corporation, states that it is the assignee of the entire right, title, and interest in the following patent applications by virtue of assignments from their respective inventor(s). The assignments have been recorded in the United States Patent and Trademark Office at the Reel and Frame numbers indicated below.

<b>McGuireWoods Docket No.</b>	<b>Serial Number</b>	<b>Filing Date</b>	<b>Title</b>	<b>Reel/Frame No.</b>
07620003AA	09/453,729	12/02/1999	Cellular Coal Products and Processes	See attached Assignment
07620003PA1	09/902,828	07/10/2001	Cellular Coal Products and Processes	See attached Assignment
07620003PA2	10/046,436	01/14/02	Cellular Coal Products and Processes	See attached Assignment
07620004AA	09/733,602	12/08/2000	Designed Cellular Coal	See attached Assignment
07620004PA	09/905,344	07/14/2001	Reinforced Designed Cellular Coal	See attached Assignment
07620005AA	09/888,977	06/25/2001	Electrochemical Cell Electrodes	See attached Assignment
07620006AA	09/944,273	08/31/2001	Thermal Protection System	See attached Assignment
07620007AA	09/976,172	10/12/2001	Activated, Coal-Based Carbon Foam	See attached Assignment
07620008AA	09/976,175	10/12/2001	Petroleum Pitch-Based Carbon Foam	See attached Assignment
07620009AA	09/976,425	10/12/2001	Carbon Foam Abrasives	See attached Assignment

07620009PA	10/068,074	02/05/2002	Carbon Foam Abrasives	See attached Assignment
07620010AA	09/976,426	10/12/2001	Stealth Foam and Production Method	See attached Assignment
07620011AA	09/941,342	08/29/2001	Composite Tooling	See attached Assignment
07620012AA	09/954,490	09/17/2001	Coal-Based Carbon Foam	See attached Assignment
07620013AA	10/068,075	02/05/2002	Blended Pitch/Coal Based Carbon Foams	See attached Assignment
07620014AA	10/072,661	02/06/2002	Microwave Assisted Treatment of Carbon Foam	See attached Assignment

The assignee of the above-identified patent applications revokes all previous power of attorneys and hereby appoints:

Philip D. Lane, Reg. No. 41,140	Hae-Chan Park, Reg. No. 50,114
Paul E. McGowan, Reg. No. 46,917	Andrew M. Calderon, Reg. No. 38,093
Scott A. Felder, Reg. No. 47,558	Mark J. Young, Reg. No. 39,436
Luke Anderson, Reg. No. 44,507	

as attorneys to prosecute these applications and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Address correspondence to:

McGuireWoods LLP  
1750 Tysons Boulevard  
Suite 1800  
McLean, VA 22102

Direct Telephone Calls to Philip D. Lane, Ph.D. at 703-712-5069.

On behalf of Touchstone Research Laboratory, Ltd.:

FOR: TOUCHSTONE RESEARCH LABORATORY, LTD.

SIGNATURE: 

BY: ELIZABETH N. KRAFTICIAN

TITLE: C.E.O.

DATE: 9/11/02

Docket Number 1480(Touchstone)

(Worldwide Rights)

ASSIGNMENT

FULL NAME(S) AND  
POST OFFICE ADDRESS(ES)  
OF INVENTOR(S)  
(including Country)

WHEREAS:

Darren Kenneth Rogers  
4 America Avenue  
Wheeling, WV 26003  
USA

And

Janusz Wladyslaw Plucinski  
416 6<sup>th</sup> Street  
Glen Dale, WV 26038  
USA

(hereinafter referred to as ASSIGNOR(S)) have invented certain new  
and useful improvements in an invention entitled:

TITLE OF INVENTION

Carbon Foam Abrasives

For which an application for United  
States Letters Patent is being executed  
and filed concurrently herewith;

FULL NAME AND ADDRESS  
(including Country) OF ASSIGNEE  
(if a Corporation show state and  
identify state/Country of Corporation)

WHEREAS:

Touchstone Research Laboratory, Ltd.  
R.D. #1, Box 100B  
The Millennium Centre  
Triadelphia, West Virginia 26059  
USA

(hereinafter referred to as ASSIGNEE), is desirous of acquiring  
the entire interest in, to and under said invention and in, to and under  
Letters Patent or similar legal protection to be obtained therefor in  
the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN;

Be it known that in consideration of the payment by ASSIGNEE to  
each of said ASSIGNOR(S) of the sum of One Hundred Dollars  
(\$100.00) the receipt and sufficiency of which is hereby  
acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to  
ASSIGNEE, its lawful successors and assigns, the full and exclusive  
right, title and interest to said invention in the United States and its  
territorial possessions and in all foreign countries and to all Letters  
Patent or similar legal protection in the United States and its territorial  
possessions and in any and all foreign countries to be obtained for  
said invention by said application or any continuation, division,  
continuation-in-part, reexamination, renewal, substitute, extension or  
reissue thereof or any legal equivalent thereof in a foreign country for

the full terms or terms of which the same may be granted, and authorize and request the Commission of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR(S) hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR(S) further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and signed on the date indicated.

**SIGNATURE(S)**

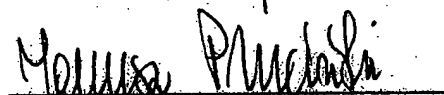
The signature(s) must correspond with the name(s) of the inventor(s) above.

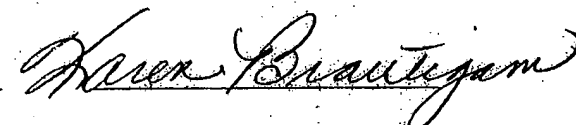
INVENTOR(S) AND ASSIGNOR(S):

DATE SIGNED

WITNESS(ES)

  
Darren Kenneth Rogers

  
Janusz Wladyslaw Plucinski

10/2/01   
10/2/01 